

AMENDMENTS TO THE SPECIFICATION

Please replace the third full paragraph on page 2 beginning on line 12 with the following paragraph:

Referring now to FIGS. 1-3, there is shown a chromatography apparatus 10. The chromatography apparatus 10 includes a 1½"-thick lower plate 12 having a pair of upwardly extending support plates 14, 16 secured thereto. A number of struts 18 are secured to each of the support plates 14, 16. As shown in FIG. 1, the chromatography apparatus 10 also includes a pair of die blocks 20, 22. In the exemplary embodiment described herein, each of the die blocks 20, 22 has a width of 2.5cm and is formed from metal, but may be formed from another material in other embodiments. The die block 20 is secured to a stationary plate 24. The plate 24 is secured to the support plate 14.

Please replace the second full paragraph on page 6 beginning on line 22 with the following paragraph:

As shown in FIG. 2, a thermally conducting, electrically insulating sheet 48 is positioned on the face of the die blocks 20, 22. The sheet 48 is a thermal conductor thereby allowing heat on a sample plate to be transferred to the die blocks 20, 22. The sheet 48 is also an electrical insulator thereby electrically insulating the sample plate from the die blocks 20, 22. The sheet 48 may be constructed with a variety of materials having such characteristics. One material which may be utilized in the construction of the sheet 48 is a thin sheet of aluminum nitride ceramic. In the exemplary embodiment described herein, the sheet 48 is attached to the face of the die blocks 20, 22 with drops of mineral oil. A piece of polymeric material such as Delrin®, which is commercially available from E.I. du Pont de Nemours and Company of Wilmington, Delaware, or other material (not shown) may be installed on the bottom surface of

the die blocks 20, 22 in a manner which forms a lip on which the bottom of the sheet 48 rests. Such a lip facilitates maintenance of the sheet 48 in a desired location on the face of the die blocks 20, 22.

Please replace the first full paragraph on page 8 beginning on line 3 with the following paragraph:

As shown in FIGS. 4-6, the chromatography apparatus 10 also includes a plate holder 52. The plate holder includes a pair of frame members 54, 56. The frame members 54, 56 may be constructed with any type of electrically insulating material that is resistant to the solvents used in an electrochromatography procedure. In the exemplary embodiment described herein, the frame members 54, 56 are constructed with a polymeric material. One such polymeric material is Delrin®, which is commercially available from E.I. du Pont de Nemours and Company of Wilmington, Delaware.

Please replace the second full paragraph on page 22 beginning on line 12 with the following paragraph:

As shown in FIG. 13, a thermally conducting, electrically insulating sheet 248 may be positioned on the face of the die block 220. The sheet 248 is a thermal conductor thereby allowing heat on a sample plate to be transferred to the die block 220. The sheet 248 is also an electrical insulator thereby electrically insulating the sample plate from the die block 220. The sheet 248 may be constructed with a variety of materials having such characteristics. One material which may be utilized in the construction of the sheet 248 is a thin sheet of aluminum nitride ceramic. In the exemplary embodiment described herein, the sheet 248 is attached to the face of the die block 220 with drops of mineral oil. A piece of polymeric material such as Delrin®, which is commercially available from E.I. du Pont de Nemours and Company of Wilmington, Delaware, or other material (not shown) may be installed on the bottom surface of

the die block 220 in a manner which forms a lip on which the bottom of the sheet 248 rests. Such a lip facilitates maintenance of the sheet 248 in a desired location on the face of the die block 220. It should be appreciated that in certain configurations the sheet 248 may not be used. It should also be appreciated that a sheet 248 may be secured to the face of the die block 222. The sheet attached to the die block 222 may be formed of other materials such as glass.